

Leptin
Leptin R
Mc4r
Mc3r
Npy
Pomc
Cart
Pc1
Cpe
5ht
Tub

WT AAT Asn
ENU GAT Asp
N222D

FIG. 1

Mouse Pc1	CAGEIAMQANNHKCGVGVA
Human Pc1	-----
Pig Pc1	-----
Rat Pc1	-----
Sea hare Pc1	-----V-I-----R-I--
Mouse Pc6	-----V-AS-----SY-I--
Mouse furin	-----V-AV-----GV-----
Snail furin2	-----V-AE-----TY-TI-I-P
198 Pc1	-----D-----
Yeast Kex2	-----NF-----G-
Subtilisin	V--TV-A-----NSI--L--P
N222=N76 in subtilisin	

FIG. 2

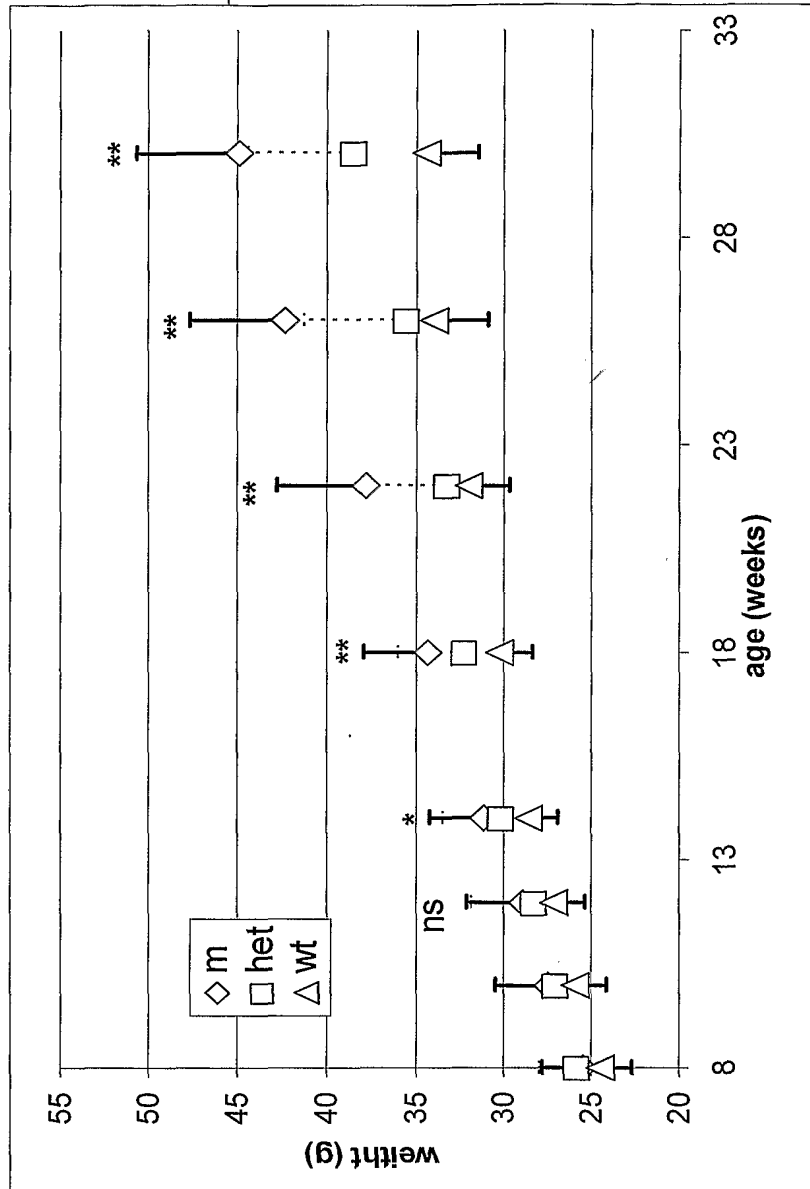
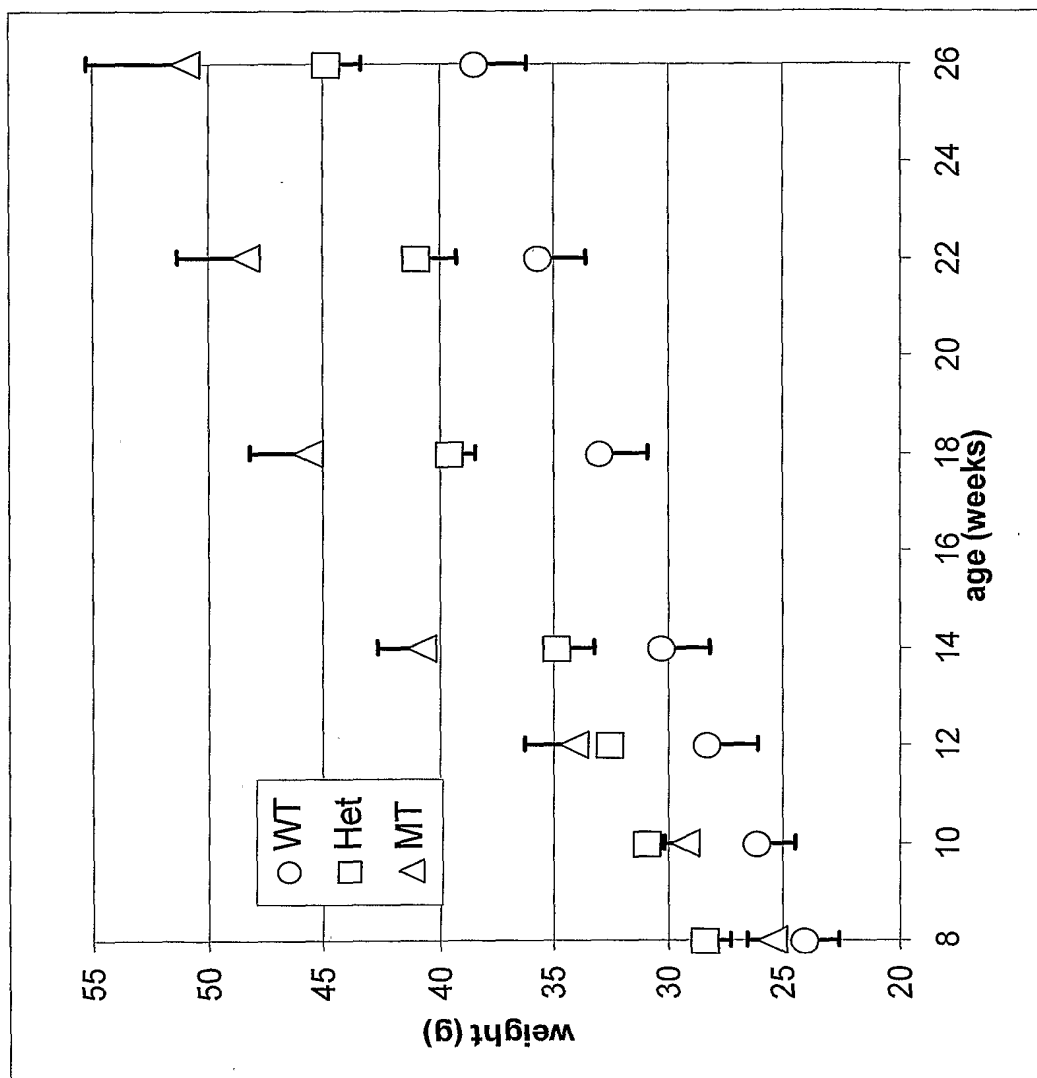
**FIG. 3A**

FIG. 3B



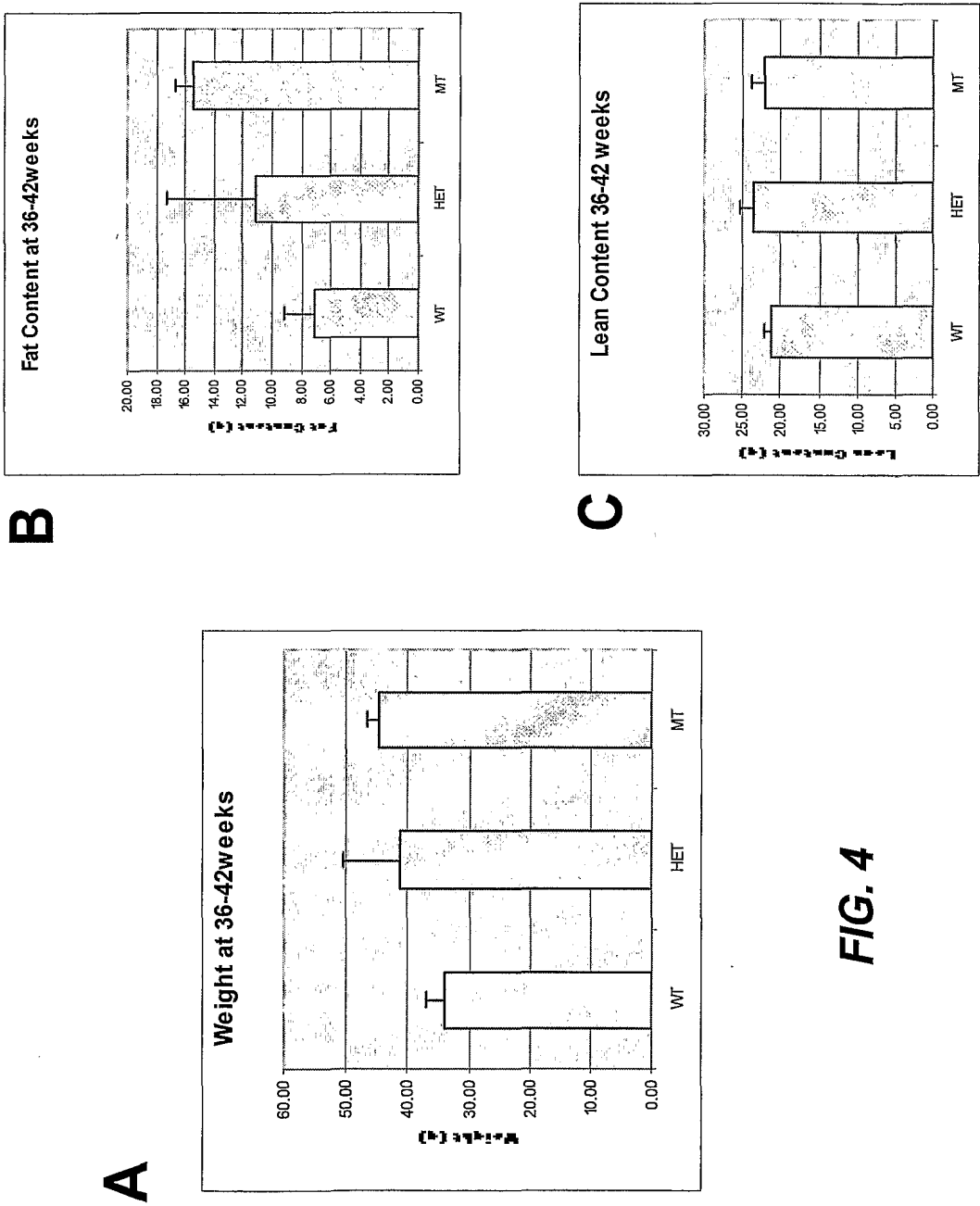
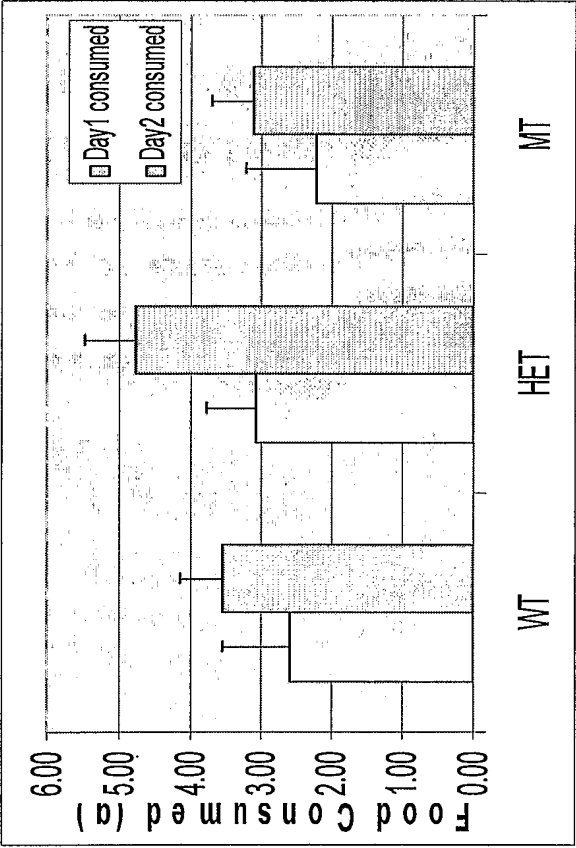


FIG. 4

A.



B.

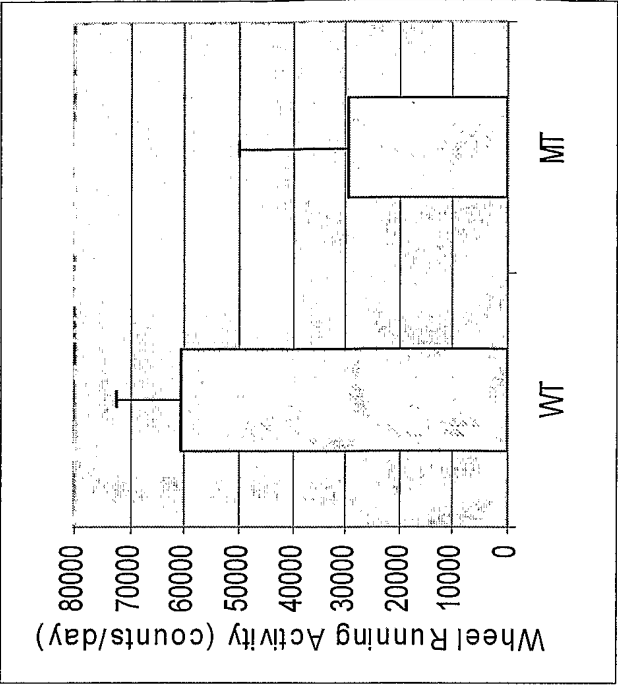


FIG. 5

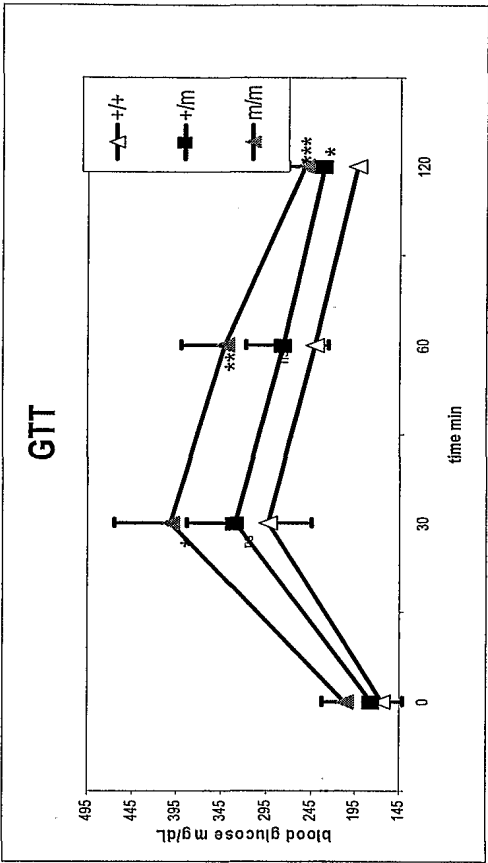
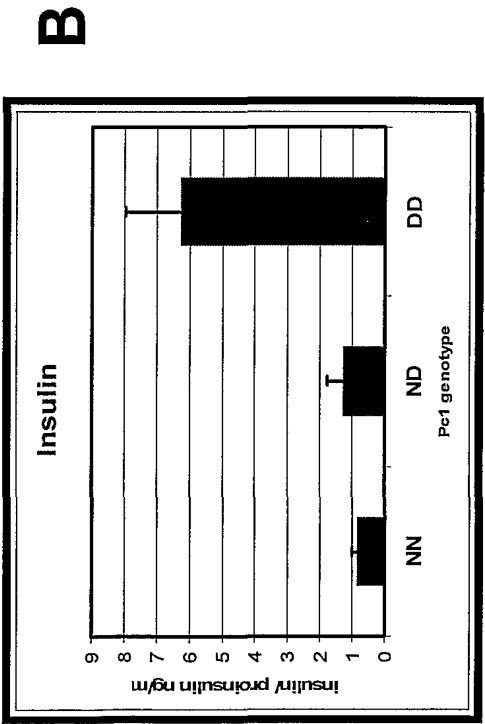
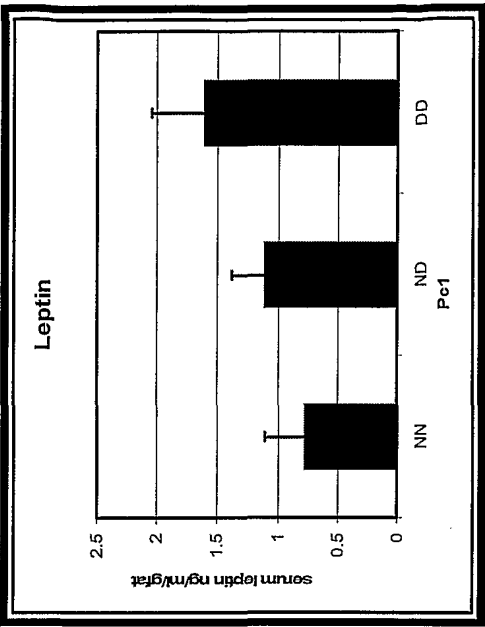


FIG. 6

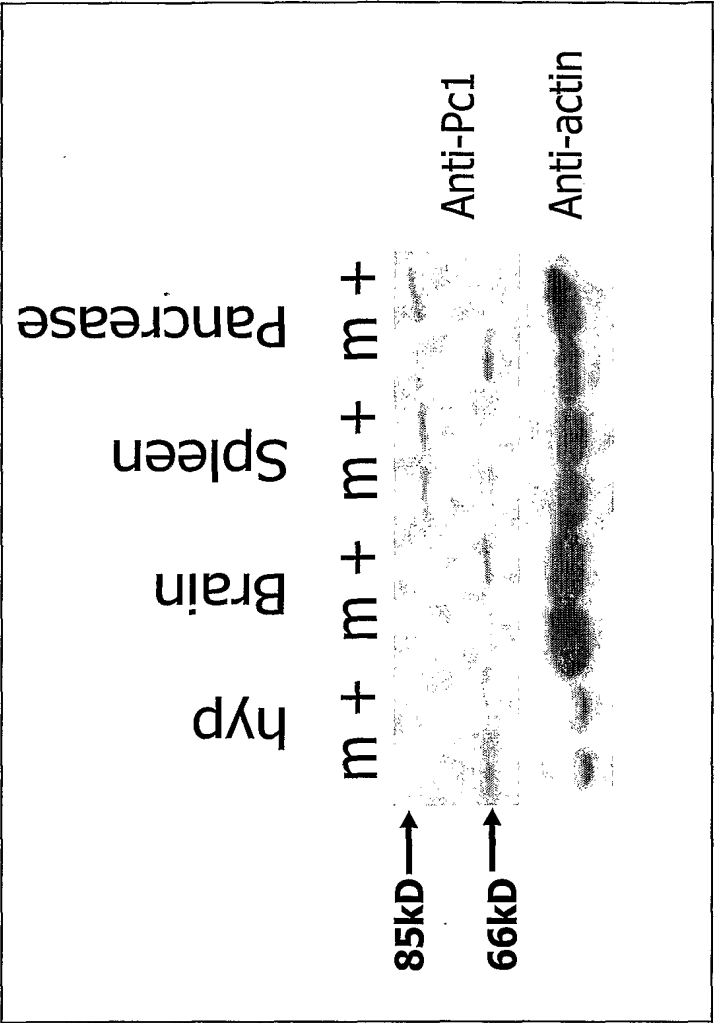


FIG. 7